

● PRINTER RUSH ●
(PTO ASSISTANCE)

Application : 09/513,350 Examiner : Jeanty GAU : 3623

From: DP Location: IDC FMF FDC Date: 11/19/05

Tracking #: EPM 09/513,350 Week Date: 8/15/2005

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449		<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS		<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>6/27/2005</u>	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW		<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW		<input checked="" type="checkbox"/> Other Abst: <u>2/25/00</u>
<input type="checkbox"/> DRW		
<input type="checkbox"/> OATH		
<input type="checkbox"/> 312		
<input type="checkbox"/> SPEC		

[RUSH] MESSAGE: (1) Abstract - crossed out - is there
An Amendment for the Abstract.

(2) Renumbered claim 1 (original claim 2) depends on
Renumbered claim 7 (original claim 6)

Please Resolve.


Thank you:

[XRUSH] RESPONSE: _____


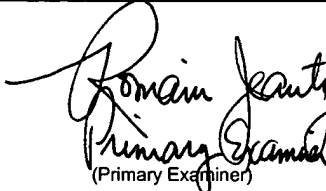
INITIALS: _____

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REV 10/04

Issue Classification 	Application/Control No.	Applicant(s)/Patent under Reexamination	
	09/513,350	LEYMANN ET AL.	
	Examiner	Art Unit	
	Romain Jeanty	3623	

ISSUE CLASSIFICATION										
ORIGINAL					CROSS REFERENCE(S)					
CLASS		SUBCLASS			CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
718		100			718	101	102			
INTERNATIONAL CLASSIFICATION					705	8				
G	0	6	F	01/200						
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 (Assistant Examiner) (Date) 1/10/06 (Legal Instruments Examiner) (Date)		 (Primary Examiner) (Date) 1/4/06		Total Claims Allowed: 14 <table> <tr> <td>O.G. Print Claim(s)</td> <td>O.G. Print Fig.</td> </tr> <tr> <td>1</td> <td>7</td> </tr> </table>		O.G. Print Claim(s)	O.G. Print Fig.	1	7
O.G. Print Claim(s)	O.G. Print Fig.								
1	7								

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant				<input type="checkbox"/> CPA				<input type="checkbox"/> T.D.				<input type="checkbox"/> R.1.47			
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original		
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2	2		32		62		92		122		152		182		
3	3		33		63		93		123		153		183		
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1	6		36		66		96		126		156		186		
9	7		37		67		97		127		157		187		
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11	9		39		69		99		129		159		189		
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	29		59		89		119		149		179		209		
	30		60		90		120		150		180		210		

A computerized method of managing workload within a Workflow-Management-System (WFMS), the WFMS having a process-model, the process-model including one or more activities being the nodes of an arbitrary graph, and directed edges of the graph defining a potential control-flow within the process-model. The method comprises a determination-step, wherein the process-model is analyzed if a priority-execution-indicator is assigned to the activity within the process model; and a launching step, wherein, in the affirmative case of the determination-step, the WFMS launches execution of the activity in the activity's execution-environment with an execution priority specified according to the priority execution indicator. Moreover the WFMS can set its own execution priority, and processing-related messages for communication are set to the execution priority specified.

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LISTING OF CLAIMS

1. (canceled)

2. (currently amended) A method of managing workload within a WFMS according to claim 6 ~~claim 1~~, further comprising, when said analyzing step indicates that there is a priority execution indicator, said WFMS setting its own execution priority for WFMS internal processing to the execution priority specified according to said priority execution indicator.

3. (original) A method of managing workload within a WFMS according to claim 2, further comprising, when said analyzing step indicates that there is a priority execution indicator, setting the priority of one or more messages relating to the processing of said activity are set to the execution priority specified according to said priority execution indicator.

4. (canceled)

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5. (currently amended) A method of managing workload within a WFMS according to claim 6 ~~claim 4~~, further comprising, when said analyzing step indicates that there is a priority execution specification for said activity, assigning the priority execution indicator of said priority execution specification of said activity to said activity.

6. (currently amended) A computerized method of managing workload within a ~~WFMS~~ according to claim 4, Workflow-Management-System (WFMS) said method being executable by said WFMS on at least one computer system, wherein said WFMS comprises a process model, said process model comprising one or more activities being the nodes of an arbitrary graph, and directed edges of said graph defining a potential control flow within said process model, said method comprising the steps of:

analyzing said process model to determine if a priority execution indicator is assigned to one of said one or more activities within said process model; and wherein said process model is further analyzed to determine if there is a

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priority execution specification associated with said activity,

when said analyzing step indicates that there is a priority execution indicator for an activity, said WFMS launching execution of said activity with an execution priority specified according to said priority execution indicator; and

~~further comprising,~~ when there is no priority execution specification of said activity, analyzing for a priority execution specification of a performance sphere comprising said activity, said performance sphere comprising a sub-graph of said process model associating a process execution indicator to activities within said performance sphere.

7. (original) A method of managing workload within a WFMS according to claim 6, further comprising, when a priority execution specification of said performance sphere is located, assigning the priority execution indicator of said

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priority execution specification of said performance sphere to said activity.

8. (original) A method of managing workload within a WFMS according to claim 6, further comprising, when a priority execution specification is not located for said performance sphere, analyzing said process model for a priority execution specification associated with said process model and assigning the priority execution indicator of said priority execution specification of said process model to said activity.

9. (currently amended) A method of managing workload within a WFMS according to claim 6 ~~claim 1~~, wherein said activity requires a specific execution-environment and wherein said launching further comprises mapping said priority execution indicator to a value based on said activity's specific execution environment.

10. (previously presented) A method of managing workload within a WFMS according to claim 2, wherein said activity requires a specific execution-environment and wherein said

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launching further comprises mapping said priority execution indicator to a value in accordance to said WFMS's specific execution-environment.

11. (previously presented) A method of managing workload within a WFMS according to claim 3, wherein said one or more messages are communicated along a communication-system and wherein said launching further comprises mapping said priority execution indicator to a value in accordance to said communication-system.

12. (original) A method of managing workload within a WFMS according to claim 3, said launching further comprises said WFMS launching execution of said activity directly by calling said activity with said execution priority.

13. (original) A method of managing workload within a WFMS according to claim 3, wherein said launching further comprises said WFMS launching execution of said activity indirectly by sending said activity a message set to said execution priority and said activity being responsive by setting its execution priority accordingly.

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14. (currently amended) A data processing program for execution in a data processing system comprising software code portions for performing a method for managing workload within a Workflow-Management-System (WFMS) said method being executable by said WFMS on at least one computer system, wherein said WFMS comprises a process model, said process model comprising one or more activities being the nodes of an arbitrary graph, and directed edges of said graph defining a potential control flow within said process model, said method comprising the steps of:

analyzing said process model to determine if a priority execution indicator is assigned to one of said one or more activities within said process model, and wherein said process model is further analyzed to determine if there is a priority execution specification associated with said activity,

when said analyzing step indicates that there is a priority execution indicator for an activity, said WFMS launching execution of said activity with an execution

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priority specified according to said priority execution indicator; and

when there is no priority execution specification of said activity, analyzing for a priority execution specification of a performance sphere comprising said activity, said performance sphere comprising a sub-graph of said process model associating a process execution indicator to activities within said performance sphere.

15. (currently amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine for performing method steps for managing workload within a Workflow-Management-System (WFMS) said method being executable by said WFMS on at least one computer system, wherein said WFMS comprises a process model, said process model comprising one or more activities being the nodes of an arbitrary graph, and directed edges of said graph defining a potential control flow within said process model, said method comprising the steps of:

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analyzing said process model to determine if a priority execution indicator is assigned to one of said one or more activities within said process model, ~~and~~ wherein said process model is further analyzed to determine if there is a priority execution specification associated with said activity.

when said analyzing step indicates that there is a priority execution indicator for an activity, said WFMS launching execution of said activity with an execution priority specified according to said priority execution indicator; and

when there is no priority execution specification of said activity, analyzing for a priority execution specification of a performance sphere comprising said activity, said performance sphere comprising a sub-graph of said process model associating a process execution indicator to activities within said performance sphere.

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16. (currently amended) A system for managing workload in a computer system comprising:

a Workflow-Management-System (WFMS) on at least one computer in said system, said WFMS comprises a process model, said process model comprising one or more activities being the nodes of an arbitrary graph, and directed edges of said graph defining a potential control flow within said process model;

at least one processor component for analyzing said process model to determine if a priority execution indicator is assigned to one of said one or more activities within said process model, and wherein said process model is further analyzed to determine if there is a priority execution specification associated with said activity,

an activity launching component for causing said WFMS to launch execution of said activity, when said analyzing step indicates that there is a priority execution indicator for an activity, said WFMS launching execution of said

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activity with an execution priority specified according to
said priority execution indicator; and

when there is no priority execution specification of
said activity, said at least one processor component
analyzing for a priority execution specification of a
performance sphere comprising said activity, said
performance sphere comprising a sub-graph of said process
model associating a process execution indicator to
activities within said performance sphere.

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